# PATENT COOPERATION TREATY

## **PCT**

# INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

	ACTION as we	see Form PCT/ISA/220 ell as, where applicable, item 5 below.
International application No.	International filing date (day/month/year)	
PCT/EP2004/006843 Applicant	24/06/2004	(Earliest) Priority Date (day/month/year) $24/06/2003$
EPIGENOMICS AG		
This International Search Report has bee according to Article 18. A copy is being tr	en prepared by this International Searching Aut ansmitted to the International Bureau.	hority and is transmitted to the applicant
This International Search Report consists		
1. Basis of the report  a. With regard to the language, the language in which it was filed, unled the international strike Authority (Rule b. X)  With regard to any nucleo	international search was carried out on the bases otherwise indicated under this item. search was carried out on the basis of a translate 23.1(b)).  tide and/or amino acid sequence disclosed in the basis of a translate 23.1(b).	sis of the international application in the ation of the international application furnished to
4. With regard to the <b>title</b> ,  X the text is approved as substitute that the text has been established.	nitted by the applicant.  Ed by this Authority to read as follows:	
5. With regard to the <b>abstract</b> ,  X the text is approved as submi	tted by the applicant. , according to Rule 38.2(b), by this Authority as ne date of mailing of this international search re	s it appears in Box No. IV. The applicant eport, submit comments to this Authority.

### INTERNATIONAL SEARCH REPORT

PCT/EP2004/006843

Box	No. I	Nucleotide and/or amino acid sequence(s) (Continuation of item 1.b of the first sheet)	
1.	With inver	regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed nation, the international search was carried out on the basis of:	
	a.	type of material  X a sequence listing table(s) related to the sequence listing	
	b.	format of material  X in written format  X in computer readable form	
	c.	time of filing/furnishing  contained in the international application as filed  filed together with the international application in computer readable form  X furnished subsequently to this Authority for the purpose of search	
2.		In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.	
3.	Addit	Jonal comments:	

## A. CLASSIFICATION OF SUBJECT MATTER IPC 7 C12Q1/68

According to International Patent Classification (IPC) or to both national classification and IPC

#### **B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

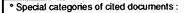
EPO-Internal, WPI Data, PAJ, MEDLINE, BIOSIS

C.	DOCUMENTS	CONSIDERED	TO BE HE	LEVANI

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to daim No.
X	WO 02/072880 A (EPIGENOMICS AG; OLEK, ALEXANDER; BERLIN, KURT) 19 September 2002 (2002-09-19) cited in the application	1-24
Y	page 7 - page 31; claims 1-41; figures 10-13; examples 3-10	25
X	WO 00/70090 A (UNIVERSITY OF SOUTHERN CALIFORNIA) 23 November 2000 (2000-11-23)	1,2, 6-11, 13-16
Υ.	page 10 - page 22; claims 1-26; figures 1-4; examples 2-4	3-5,12, 17-25
	-/	



Patent family members are listed in annex.



- "A" document defining the general state of the art which is not considered to be of particular relevance
- earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- document referring to an oral disclosure, use, exhibition or
- document published prior to the International filing date but later than the priority date claimed
- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled
- "&" document member of the same patent family

Date of the actual completion of the international search

Date of mailing of the international search report

### 1 April 2005

15/04/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016

Authorized officer

Botz, J

		PCT/EP2004/006843
C.(Continu	ation) DOCUMENTS CONSIDERED TO BE RELEVANT	
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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P,Y	KAWAKAMI KAZUYUKI ET AL: "The folate pool in colorectal cancers is associated with DNA hypermethylation and with a polymorphism in methylenetetrahydrofolate reductase." CLINICAL CANCER RESEARCH: AN OFFICIAL JOURNAL OF THE AMERICAN ASSOCIATION FOR CANCER RESEARCH. 1 DEC 2003, vol. 9, no. 16 Pt 1, 1 December 2003 (2003-12-01), pages 5860-5865, XP002321757 ISSN: 1078-0432 the whole document	1-25
Y	WO 99/55905 A (COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISATION; CLARK, S) 4 November 1999 (1999-11-04) the whole document	1-25
Y	WO 97/46705 A (THE JOHNS HOPKINS UNIVERSITY SCHOOL OF MEDICINE) 11 December 1997 (1997-12-11) the whole document	1-25
<b>Y</b>	ESTELLER M ET AL: "INACTIVATION OF GLUTATHIONE S-TRANSFERASE P1 GENE BY PROMOTER HYPERMETHYLATION IN HUMAN NEOPLASIA" CANCER RESEARCH, AMERICAN ASSOCIATION FOR CANCER RESEARCH, BALTIMORE, MD, US, vol. 58, 15 October 1998 (1998-10-15), pages 4515-4518, XP000982287 ISSN: 0008-5472 the whole document	1-25
Y	DATABASE GENBANK 'Online! US NATIONAL LIBRARY OF MEDICINE (NLM), BETHESDA, MD, US; 5 December 1994 (1994-12-05), MORROW, C.S. ET AL.: "Structure of the human genomic gluth" XP002321758 Database accession no. M24485 cited in the application the whole document  -/	1-25

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:.(Continu Category °	ation) DOCUMENTS CONSIDERED TO BE RELEVANT  Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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